

Method and Apparatus for the Location and Indication of Cable Splices and Cable Faults

Volker Fraedrich

A b s t r a c t

A method and apparatus for the location and indication of cable splices and cable faults is disclosed. An audio frequency generator can be coupled to a cable under test and the magnetic field generated by the cable can be monitored by a receiver. A receiver includes at least two antenna coils situated to detect orthogonal components of the magnetic field. From test values measured at various test points along the cable route, a degree of inhomogeneity of the magnetic field along the cable route can be determined and displayed. Location of a cable fault and cable splice is then apparent in the display.